Whatever Mr. Wallace writes on the subject of natural history is always entitled to serious attention; but there is a special interest in this volume at the present time, which will be made more apparent if we first glance at the great movement of recent thought out of which it has grown, and of which in several aspects it is an able and opportune exposition. In the recent advance of science the problem of terrestrial life assumes a more profound significance than at any former period. At first the living world, like all the other phenomena of nature, had to be considered in its sensible aspects, and could be only superficially explained. The objects of natural history were observed, compared, described and classified as they presented themselves according to characters easily determined. But it is a necessary tendency of science to go behind appearances and get at the operation of causes. Material forms and structures first engage attention, and then the forces and dynamic conditions by which such forms and structures were determined. This tendency of scientific study, however, was long hindered in the field of life by a settled a priors theory of the origin of living things. It was believed that the numberless kinds of fiving creatures which inhabit the earth were specially created in their perfect forms, and exactly adapted to the condition in which they are found. This was a fundamental proposition in natural history, and was the more tenaciously held because reinforced by strong religious sanctions. The problem of origins and adaptations being authoritatively solved in advance, any inquiry into it was regarded as superfluous if not irreverent. The older natural history, therefore confined itself to the comparatively easy task of delineating the sensible characters of living creatures and the construction of such systems of relationship as were possible from this point of view. There was an avoidance and a neglect of those deeper inquiries into causes which were pursued in other scientific fields with the most truitful results. But the human mind cannot be contented with

the endless accumulation of unexplained facts. The sterility of biological science was a palpable anomaly. The mere massing of observations at length corrected itself, and the factitious restraints upon inquiry gave way almost with the suddenness of a catastrophe. The old procedure is now essentially abandoned, and within the last twenty years the methods of natural history have been revolutionized. The work of critical observation, of lies and orders gives rise to other and still more ex course, continues, and must always go on, but it is tensive areas. The matter is further complicated now guided by new theories and the problems by overlaps and breaks in the areas of distribution. which were so long torbidden as useless have be- The species of a genus either occupy distinct areas come first in interest and importance. Natural history from being a mere matter of the description of touch and overlay each other. The best example animals and plants and the tracing of their superfic.al connections, has passed into the new phase of philosophic biology which opens the profoundest questions that can occupy the human mind. It was inevitable that in this newly-opened field, which re- district bounded by large 1 vers. Overlapping vealed the grandest interactions of nature as legitimate factors of inquiry, there should be great opinion over important questions. Stormy controversies quickly arose, so that it was difficult to detherefore, that Mr. Wallace saw fit to address him- about 1,000 miles between its southern hints it therefore, that Mr. Wallace saw in to address himself at this time to a critical discussion of the general subject. He was eminently the man for the task. Foremost among the pioneers of the revolution in biological method, the co-discoverer with Mr. Darwin of the principle of natural selection as a cuse of diversity in species, an original think of sharp insight and wide grasp, and long familiar with the large elements of the investigation, no man was better prepared to sum up the case and to inform us as to what may be considered as now fairly established. His book will be welcomed in the construction of its who desire to keep themselves informed as to what is going on in the active arema or scientific thought. And this class will be the more pleased with it because Mr. Wallace is one of the cleased with it because Mr. Wallace is one of the cleased with it is cleased to the more pleased with it because Mr. Wallace is now of the cleased that the author's treatment of the subject in a most attractive of our scientific writers. Four years ago he published an elaborate treatise, in two volumes, on the "Geographical distribution of animals," from the most modern point of view. The present book is, in a certain sense, supplementary to that, as it starts from a summary of its results, and then takes up the larger factors of bological influence and causation. The present book, moreover, appeals to a wider audience, and treatist the subject in a more elementary and indicate the subject in a more elementary and the distribution of animals," from the most modern point of view.

Mr. Wallace introduces his readers to some fear the man of the distribution of animal life hy the follogical influence and causation. The present book, moreover, appeals to a wider audience, and treatist the subject in a more elementary an interesting way.

Mr. Wallace in introduces his readers to some fear the man of the distribution of animal life hy the follogical influence and causation. The present book, moreover, appeals to a wider audience, self at this time to a critical discussion of the gen- Russia and its reappearance in the Alps.

Mr. Wallace introduces his readers to some features in the distribution of animal life by the following illustrations. When an Englishman goes by the nearest sea-route from Great Britain to Northern Japan, he passes many countries of the most diverse aspects, and after travelling 13,000 miles and becoming separated from his home by the whole width of Europe and Northern Asia, he finds himself at Hakodadi, in Japan. But upon visiting the interior of the country he is surprised at the familiarity of its natural objects. He finds the woods and fields tenanted by tits, hedge-sparrows, wrens, wag-tails, larks, redbreasts, thrushes, buntings, and house-sparrows, some absolutely identical with his own feathered friends, others so closely resembling them that it requires a practised ornithologist to tell the difference. If he is fond of insects he notices many butterflies and a host of beetles which, though on close examination are found to be distinct from ours, are yet of the same general aspect and seem just what may be expected

of this inquiry, it must be remembered that we have to start with a new geography. Instead of the familiar and permanent outline of masses of land and water, we have to deal with vast tracts or spaces occupied by animals. Each kind has its territory or " area of distribution " These vary in extent according to the groups defined. "Specific areas" are those occupied by any given species. Every species has an area of distribution to which within certain limits of fluctuation it is permanently confined; but while some of these areas are very extensive, others are remarkably restricted. It might be expected that birds, considering their powers of flight, would be the freest in their ranges, but it is a curious fact that some of them illustrate the extremest restriction. The beautiful sun-bird. a peculiar starling, is almost or quite confined to the warmer portions of the valley of the Jordan; and several species of laughing thrushes are to be found only on the summits of the Himalayas. The humming-birds of tropical America furnish striking expeculiar species of humining-bird confined to a belt GEORGE ELIOT'S GREAT POEM, just below the limits of perpetual snow; while the extinct voicano of Chiriqui has a species confined to its wooded crater. On the other hand, many species of birds are very widely distributed. Th little northern willow-wren ranges from Norway across Asia to Alaska and southward to Ceylou. China, Borneo, and Timor. The fishing-hawk and barn-owl are also very extensively distributed; the wolf ranges over a great area, though some question arises as to the identity of the species in widely separated localities; but among the undisputed species of mammalia the leopard inhabits an enor mous range and is probably the most extensively distributed of any known mammal. But very wide and very narrow ranges are exceptional. The great majority of species both of mammals and birds

ranging only over moderately wide areas. As genera consist of closely-allied groups of species, the "generic areas" differ widely from the specific areas and are of course more extensive The number of species in a genus varies greatly from one up to several hundreds. The giraffe, the secretary-bird, and many others have no close allies, and each forms a genus by itself. The deer-genus has forty species, the mouse and rat genus more than a hundred species, there are more than 400 species of swallow-tail butterflies, while among the shells the genus helix, including the commonest snail, numbers 2,000 described species and ranges all over the world. As we pass to families and orders new systems of distribution arise, and we here find few cases of restriction and many of world-wide distribution. The distribution of famiwhich are sometimes widely separated, or they of separated but conterminous ranges is that of the beautiful South American wading-birds called trumpeters. There are five species all found in the Amazon Valley, but each limited to a well-marked areas are, however, the most common. Examples of discontinuous areas are often remarkable. The activity of speculation, and inevitable conflict of genus of blue magpies has two species which are separated from each other by 5,000 miles of contermine what could be regarded as accepted and often seen in the distribution of a single species. what must be still held as disputable. It was well, Of the variable hare it is said that there is a gap of

and that the law of descent when each by changes of climate in geological times, is already competent to explain the main features in the distribution of terrestrial life. In fact, the law of evolution implies and compels the great results which we now observe. Upon this point the author remarks:

When writing on the subject of distribution, it usually seems to have been forgetten that the theory of evolution absolutely accessitates the former existence of a whole series of extinct general filing up the gaps between the isolated general which in many cases how alone exist; while it is almost an axiom of "natural selection" that such amorbida an axiom of "natural selection" that such amorbida a wide area and under varied conditions, involving a creat layer of time. In our succeeding chapters we shall show that the known and probable changes of sea and lant, the known changes of climate and the actual powers of dissersa of the different groups of animals were such as would have enabled all the now disconnected groups to also formed parts of a continuous series. Proofs of such former continuity are continually being obtained by the discovery of allied extinct forms in intervening lands, but the extreme imperfection of the geological record as regards land animals, renders it unlikely that this proof will be forthcoming in the majority of cases, The no-blot that if such animals ever extend their remalas of the geological record as regards land animals, renders it unlikely that this proof withstanding the efforts of Lyell and Darwin, still engally prevails among maturalists, but noth it is got rid of, no true notions of the former astribution of die upon the earth can be attained.

Mr. Wallace next passes in a series of chanters to the recondite changes involved in the distribution.

beetles which, though on close examination are found to be distinct from ours, are yet of the same general aspect and seem just what may be expected in any part of Eurone. It now an Australian said to New-Zealand, a distance of less than L300 miles he will find himself in a country whose productions are totally unlike these of his wom. Kanazarova and wombats there are pone, the birds are almost all entirely new, insects are very earre, and quite unlike the handsome or strange Australian forms, while even the Walstandian forms, while even the Malay Archipeiago there are two Islands named Bail and Lombok, each about an Islands named Bail and Lombok, each and the Islands named Bail and Lomb

on those marvellous astronomical revolutions which cause a periodic variation of terrestrial climates; on the apparently formitous action of storms and currents in the conveyance of germs; and on the endicasty varied actions and reactions of organized beings on each other. And sitnough these various causes are "ar too complex in their combined action to emble us to follow them out in the case of any one species, yet their broad results are clearly recognizable; and we are thus encouraged to study more completely every detail and every anomaly in the distribution of living things, in the firm conviction that by so doing we small obtain a fuller and clearer insight into the course of nature, and with increased confidence that the "inighty maze" of Being we see everywhere around as not "without a plan."

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THE PLATA VERISE SHAYE TISING COMPANY, NO. 25 NASAUST, NEW YORK Feb. 1, 1881.]

A MEETING of the STOCKHOLDERS of this Company will be held at its Office, No. 25 Nasse ust, in the City of New York on the 21th way of Pebruary, 1881, at 12 of tack noon, for the Surpose of considering and acting upon a resolution then and there to be offered diminishing the capital stock of this Company to one million of dollars, to wit, One Limited Housiand shares of Ten col ars each, and for the transaction of such other bisiness as may logally come before it.

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## MINES AND MINING.

MONDAY, Jan. 31-P. M. The mining share markets to-day were irregular, with a general inclination toward lower figures; but perhaps no more so than was natural after the advances which were made last week. There were some notable exceptions to the general rule. Green Mountain remained firm at 6, Rising Sun rose from 2.90 to 3, and Cherokee was steady at 1.90. and Hukill was 5 conts higher at 1.45. Moose declined from 1.70 to 1.50 on sales of stock to realize profits. Navajo further fell to 2.10. Hibernia was 5 cents higher at 1.30, but Willshire was 15 cents lower at 1.25. The features of the Leadville shares were advances from 3.05 to 3.95@3.45 for Little Pittsburg and from 1 10 to 1.15 for Little Chief, and a decline of 2 cents to 46 cents for Amie. Consolidated Virginia was 5 cents easier at 2, and Consolidated Pacific 7 cents higher at 97 cents. North Standard agaid was weak, and fell from 60 to 44 cents. Boston Consolidated also was less eagerly sought for, and its price fell from \$1 to 94@95 cents. Another large business was done in Van De Water, but with a decline from 75 to 68@69 cents. Bonanza Chief was active at 30@31 cents, Mineral Creek vielded from 40 to 37 cents, Great Eastern was 2 cents higher at 22 cents and Calaveras steady at 20 cents. The markets closed generally dull and irregular. higher at 1.30, but Willshire was 15 cents lower at

## N. V. MINING STOOK EXCHANGE SALES

50/10/0	And the same of th	:30 o'cLock t	
N'th Standard 500	15014	Moose 100 1.65 100 1.60	Soo
Dunkin	Alta Montana	100015	Little Pitte's
Tloga 70	225 Amte 47	500.63016 Great Eastern	Calaverus
Granville 5004	200 s3 2 10	bahlonega 21	500 . mid20 La Crosse
Buckeye 500, 530, .24	100610 2.15 Con Virginia 600 2.00	100	500 s3 .28 Independence
Hibernia 400 1.25	Goodshaw 200 70	20031 250030	May Belle
400 1.25 100b3 1.30 100b5 1.30 100b10 1.30	Little Chief 20010	Hukili 200 1.45 300.880, 1.40	Mariposa pre
Grand Prize 100.560, 1.50		300.1800. 2.30	100.65 3.00
тин	D CALL-2:30	O'CLOCK P.	M.
Leviathan 10002	Northstand'd 10054	May Betle 10021	Hukili 100, 510, 1.45
Unadilla 1000sJ15	300	comax 53	200 1.45
1000, #60, .15	1200 50	Cherokee	200
3000,16 Boulder Con 30058	100	1100 1.90 Affice 200 7.00	Mariposa 52 2.50 200 2.74
Willshire 20083 1.25	1000 03, .48	Chrysolite	Mariposa pre
Amle 2100	1000, 500, 47	100530 6.00 200588	Mariposa pre- 130 3.00 Moose 500 1.55 200.010, 1.55
1000 at 47	119046 190045 100 . 8345	Buckeye 500 24 200 23 Little Chief	200,610, 1.55
Navajo 100 . s3. 2.15 200 . s5. 2.15	1200	500	100 1.50 500,530, 1.50 Rising Son
100 at0 2 20	Great Eastern	Atta Montana	1000 2.90 200 2.03 500 3.00
Tioga 100	10021 500. p1022	Beile Isle	Americ's Flag
Bulwer	Red Elephant	10	Calaveras 13021
8liver King	200038 Goodshaw 20070	Bona'za Chief 200 31	1.00
100 14.25 100, 53 .14.25 Lendville Con	Horn Silver	Dunderberg 100 1.35	Eodie 55 6.00 200 6.25
100 51	Con Virginia 200 2.00	Gold Placer 1000 45	250 6,00
100	Little Pittab'g	Grand Prize	Happahan'ock
100 b3, 1.30	100 3.90	Euroka 10 21.50	Spring Valley
00 .85.fl. 1.35 100 1.30	245		

## AMERICAN MINING STOCK EXCHANGE SALES.

Copper Knob	Ophir 5.50 Serra'S evada 200 6.58 Lattie Chef 100 105 100 10 Mineral Greek 200 40 100 b5 40	Amie 1500 47 Botte 200. st0 .6.00 California 300 1.40	500
	ECOND CALL-	11 o'CLOCK A	. M.

Value-water   Con Virginia 500, b30, 78   100, 810, 2,10 200, 83, 73   200, 2,10 400, 5, 7   Amie 400, 5, 1   Corysolie 100, 74   Crysolie 100, 72   500, 5,13 Copper Knob 300, b30, 5 88	100	lotter Nog
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	THIED	CALL-12	o'crock	м.

100 90 200 88 Copper Knob 500 500 07 1500 10 07 Mineral Creek 300 30 100 11 Silver Nugget 3000 12	300 72 d-5, 83 7, 100, b10, 73 1200 85, 70 9 0, 130, 74 800 20 200, 530, 73 140 630, 73	100 b5 70 2000 b30 71 160 60 200 b5 60 Purkin 100 1.35 Siver Cliff 100 42 Ophir 100 538	Consel Va 200 21 Chryschle 200 bec.5.8 Sierra Nevad 100 62
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FOURTH CALL-	-29/споск р. м.
200 94 100 90' 100 *10. 95 100 97	100 83 68 100 100 200 200 b5 69 61 60 60 60 60 60 60 60 60 60 60 60 60 60

#### LOSING PRICES OF CALIFORNIA STOCKS. SAN FRANCISCO, Monday, Jon. 31, 1881. Saturday, Io day, Saturday, To day,

Alla		Manhattan	
Berlitei	11,00	Martin White 5	23
Heletter 1214	1	Mexican 674	1 50
Relysters Vit	200	Mone	430
tiest and Beichet 7-2	714	No mday 174	1
	9.20	Ophir 214	253
Enthop 1 a	3 -5	1944	-
Bulwer	1 7	Overman,	21.
1 a. 101 disk 1 #	100		- 2
A Berlat 1 4	2.14	Potost	Ŧ
Lens Virginia	7	Machine	- 0.
trem n Point i'm	1.79	Scorpion 1	300
Kuteka tob	21 6		
Excreditel	1.04	Bliver Kittst	3.5
(4post*)/#W 21-15	110	South Bulwer.	3.529
Caprill and Curty 3's	15	Tuscarera	34
Grand Proze 1%	1.4	Union Consolitated,	587
Hare and Noverest, dia	350	Yellow June L 2	4.5

Bullion valued at \$49,159-85 was received in this entry restored from the mines.

Five tors of one were shipped from the Chrysolite mine on January 30.

Bullion valued at \$5,000 was shipped from the Surmon more yesterday, making a total of \$18,000 in seven days.

The superintendent of the Barbee & Walker Company telegraphs, under date of January 29: "New ore body coming in good. Shipped to-day one bar bullion, value \$2,500. All quiet and serenc."

The superintendent of the Silver King Compuny, of Colorado, telegraphs, under date of January 30: "Silver King lower draft in 25 feet. Forty tons high-grade order-rady to stack. "B' Isvel is gradually running into their mineral. Full reports by tomorrow's mail."

A telegram of January 29, from the superintendent of the South Hom Silver Mening Company, states that the main shaft is now down 132 teet, and that it crossing has been started to the veta and is now 14 feet.

The manager of the Little Chief Company re-

It feet.

The manager of the Little Chief Company reports by telegraph for the week ending Januar, 29:
"No ore settlements during the week. One hundred and seventy-two tons shapped. Grade of January shipments not equal to December, but all good pay." In a letter, dated January 23, he reports: "Sincowriting you on the 18th, we have discovered a seam of pay-sand and hard carbonates in northwest concert of block 3-29, varying from eight inches to four feet in thickness. Its situation, six feet above the level of the former workings, on from under porphory, gives legitimate ground for a hope of continuity."

level of the former workings, on from under porphory, gives legitimate ground for a hope of continuity."

From an article on the "World's Production, Supply and Use of the Precious Metals," in the Bullion Jimual for 1880, the following is condensed: The production of the United States for 1880, including about \$3,000,000 from Mexico and British Columbia, amounted to \$80,167,936, a gain of \$4,818,435 over 1879. The production of good aggregated \$33,522,182 in 1880, aramst \$32,539,920 in 1879, and of silver \$10,005,361 against 638,623,8122. Colorado leafs the list as a produced, advancing, in the past four year, from fourth to first place, and producing in 1880 \$21,281,980, against \$44,413,545 in 1879, there has occurrery little variation in the production of California for the past four years, the agaregate never falling below \$18,000,000, and never reaching \$19,000,000. Last year the production aggregated \$48,276,166, an increase of \$75,193 over 1879. Nevoda's production has failen off until it is little more than one-squarer of what it was in 1877, declaring from \$51,580,290 in 1877 to \$15,031,621 in 1880. Utch makes a record of \$6,450,033, about \$1,000,000 more than in \$4,500,000 against \$1,900,000 in 1879. Dakom moduced in 1880, \$4,123,081; Montona, \$3,822,379; bidno, \$4,807,4717; Oregon, \$1,059,641; New Mexico, \$711,309, and Washington, \$105,104. The world's stock of gold in 1492, when America was discovered, is estimated at 26,500,000 onnees, of silver at \$26,000,000. Since 1492 we have practically accurate accounts of yearly production. A summary of the world's production from 1192 to 1848 shows a total of 100,000,000 onnees gold and 6,667,230,000 onnees silver. Of the total production of the world to 1848, the United States con-

tributed 1,000,000 ounces gold, or less than 1 per cent of the world's supply at that date. The production of gold in the United States from 1848 to date aggregates 75,127,587 ounces, or 44 per cent of the world's production during this period, and the production of silver aggregates 340,310,545 ounces, or 14 per cent of the world's production. The stock of gold and silver in the United States at the close of 1880 was \$650,543,682, of which \$486,683,049 was gold, and \$163,860,632 silver. The total coinage executed in the United States from the organization of the mint (1793) to the close of the fiscal year ended June 30, 1880, was: Gold, \$1,133,103,322; silver, \$292,333,436 90; minor, \$13,283,167 05. The coinage executed at the mints of the United States during 1880 was: Gold, \$62,283,279; silver, \$27,409,706 75, minor, \$331,395 95; total, \$90,084,381 70. The coinage of gold in the United States reached its maximum in 1851, when \$62,613,492 50 was coined. The average coinage of gold during the past ten years was \$39,000,000 per annum. The coinage of silver reached its maximum in 1877, when \$28,549,935 was coined. The silver coinage during the past say spars amounted to \$141,207,951, or nearly one-half of the entire amount turned out since the mints were organized.

### Mining.

BULL DOMINGO CON. MINING CO.

Mines at Silver Clift, Colorato.

Capital Stock. \$10,000,000. Shaces, 200,000. Par. \$51.
Officers. W. H. Barnum, President. S. W. Dorier,
President: N. B. Stovcos, Secretary.
Offices, 113 Broadway, New Yora.

Fresident: N. B. Stoycos, Secretary, Offices, 115 Broadway, New York.

Coffices, 115 Broadway, New York.

EXCHANGE SILVER MINING and MILLwas organized January 20, 1881-property in White Pine
County, near Cherry Creek, Nevanta;
CAPITAL, \$1,000.000, IN 100.000 SHARES, PAR
By the election of the following frusters and Officers:
WM. H. GUION, of New York,
H. ROGERS, of New York,
E. E. GALLAHER, of New York,
I. BEVERRIDGE, of Mrooklyn,
H. W. HOWELL, of New Jersey,
W. H. GUION, President, H. R. BOSTES, Vice-Free,
W. H. GUION, President, H. R. BOSTES, Vice-Free,
H. W. HOWELL, Treasurer,
Registrars, Company, Company

W. H. GUION, Production.
H. W. HOWELL, Treasurer. R. E. GALLAHER, See y
Registrars.
The FARMERS' LOAN AND TRUST COMPANY.
Office of the Company.
L. P. BAYNE & CO., 54 BROAD ST., N. Y.

CLYNN-DALE CONSOLIDATED GOLD
MINING COMPANY.
Location of principal place of business, Sam Francisco, California.
Location of works, Bodie District, Mono County, California. Location of works, Bodie District, Mono County, Camornia.

NOTICE IS HEREBY CIVEN that at a meeting of the
Board of Directors, held on the 14th day of Jannary, 1881, an
assessment (No. 3) of Awente five (25) cents per share was
levich upon the capital stock of the corporation now outstanding, psyable inwestiately. In United States poid roin, to the
secretary, at the office of the company, Room 9, No. 323 Montgomery-st., San Francisco, Cautionia, or at Mining Trust
Company, No. 115 Broadway, New York City.

Any steek upon which this assessment shall remain unpaid
on the cicinteenth (18th) day of February, 1881, will be defined
upon advertised for sale at public auction, and unless
togenet is made before, will be sold on Saturday, the unneteenth (19th) day of March. 1881, to pay the delinquent agreesment, together with costs of adverti-ing and supenses of sale.
By order of the Board of Directors. ment, together with costs of adverthing and capenses of sale. By order of the Board of Directors. FRANK B. LATHAM, Secretary. Office, Room 9, Safe Deposit Building, No. 328 Montgomery. St., San Francisco, Cal.

HORN SILVER MINING COMPANY, ORN SILVER MISCO, UTAIL Capital, \$10,000,000; 400,000 Shares, Par \$25. Office, No. 41 Wallett. New York.

STARR-GROVE SILVER MINING CO., Mine and Mills, Landera County, Nevadar, CAPITAL, \$2,000,000; 200,000 shares, \$10 cach, WILLIAM S. CLAIK, President, Office, No. 2 JOHN R. BUTH WELL, Secretary, Office, No. 2 Nassan Sal., cor. Wallest, N. Y.

STORMONT SILVER MINING CO.
Mine and Mil. Silver Reof. Utah.
CAPITAL, \$150,000; 150,000 stares; \$1 each.
WILLIAM S. CLARK, President.
F. A. PALMER, vice-Possident.
JOHN R. BOTHWELL, Secretary.
Office, No. 2 Nassaucat., corner Wallist., N. Y. THE ANNUAL ELECTION OF ELEVEN THE ANAUAL ELECTION OF ELECTION OF ELECTION DESCRIPTION OF THE DISCONDING AND LORD OF THE COMPANY OF THE COMPAN

THEO. B. COMSTOCK,
MINING ENGINEER,
61 Breadway, Room 33.
Desier in mining proporties and stack of undambted value.
Rehable information concerning san Juan (C.I.) mines.

#### Dividend Notices.

A QUARTERLY DIVIDEND of one and one the other test for the transfer of the tra

DIVIDEND NO. 17.

LA PLATA MINING AND SMELTING COMPANY.
OFFICE OF LA PLATA MINING AND SMELTING COMPANY.
OFFICE OF LA PLATA MINING AND SMELTING CO.,
OF LEADVILL, COL. 28 BROADWAY, Revise 12 AND 13

NEW YORK, Jan. 20, 18-51.

The Board of Trusteec have this day declared a dividend of SEVEN AND SYSTIMALE CENTS per share up of value \$40,0 on the car 1d stock, payable on the low per value prox, at the office of the Company. Template is so, word loss on the stage, January 25, and reopen Wedle shay, February 2, 1885.

Statement of the fluncial condition of the Company:
Statement of the fluncial condition of the Company:
Working Carl 1
Becomber 1, 1 sec. Rating e Surplus Account 2219 07
January 1, 1881 - Net carnings month of becomber 16,244 40

#198,409.47 Dividend of 7½ cents per share, 200,000 shares... 15,600.00 OFFICE OF THE FORMSTONE MILL AND MINIOR CONTAINS, LAW MINIORS, PHILADELPHIA, JAB. 28, 1841. 

FIFTH DIVIDEND,—THE EXECUtive Committee of the Board of Directors of this Comminy laws this sign declared the Egitlar modulity dividend of \$80,000. Inough resents on each share of the capital
stock of the committee paradic on and after Federicary Lo at
this office. Transfer Bosics closed from 10th to 13th melusity. 

W. L. CHEYNEY Secretary.

NOTICE.—All and every the Coupon Certifi-OTTCP,—All and every the Coulon Certifi-cates of the Kaisse Pendle Ratiway Comising of series A, AA, C. E. F. B. H. L. J. L. M. Q. R. S. T. U and V will be published after January 10, 1881, at the off-soft such com-pour, No. 78 Breadway, to the Civy of New York and diso the compone thereo, then contrived and the interest thereon, 224 presentation, and surrender thereof in accordance with this notice is demanded. After thirty days from the date hereo, notatorest sural ac-cine or be paid on the sald certificates or compone, or any of them.

Hosterwall be required to schedule their certificates, and banks may be had at above office. New York, Inn. 15, 1881. New York, Jan. 22, 1881.

NOTICE.—The coupons of the First Mortgage flouds and interest on the dimensional Preferred Stock of the 100 184 ANA AND MISSOURI RIVER RAIL ENGAGED OF ANA AND MISSOURI RIVER RAIL ENGAGED OF ANA AND MISSOURI RIVER RAIL ENGAGED OF ANA AND CHICKOO RAIL ENGAGED OF AND CHICKOO RAIL ENGAGED OF ANA AND CHICKOO RAIL OF ANA AND CHICKOO RAIL

OFFICE OF THE CANADA SOLTHERN BALLWAY COMPANY, GRAND VENTURAL DITTOT, NEW YORK, Dec. 21, 1880. THE BOARD OF DIRECTORS of this company have televised as declared a 5DV 1DF ND of TWO AND ONE HALF FER CENT (25) upon the contrast and the first of the contrast and the first of the contrast of the first of the fi THE MICHGAN CENTRAL BARROAD COMPANY, TRASLIGHTS OFFICE, GRAND CENTRAL DROOT,

THE BOARD OF DIRECTORS OF

C. VAND SEBLET. Pressurer.

THE LAKE SHORE AND MICHIGAN SOI THERS RAILWAY CO., THEASTHEAS OFFICE, GRAND CENTRAL DEPOT.

NEW YORK, Dec. 21, 1880

THE BOARD OF DIRECTIONS of this Company have this slay declared a DIVIDEND of FOUR PER CENT mpon the capital stock, payable on the FREST day of FEBRUARY MEXICAL this college.

The Transfer Books will be closed at 3 o'clock p. m. on THURSDAY, the 30th mst., and will be reopened on the morning of saturday, the 5th day of February mext.

E. D. WORLESTER, Treasurer.

THE COLORADO COAL AND IRON COM-PANY'S First Mortgage Compons, due Fermary 1, 1881, will be paid at the American Exchange Nation 1 Bank, New York. WM. J. PALMER, President.

THE COUPONS OF This Company's FIRST MORITGAGE CONSOLUDATED BONDS, falling due on the first day of February text, will be hald at this office and rather consoludation. If the consoludation of the second consoludation of the second consoludation of the second consoludation.

THE INTEREST on the following bonds is payabo at the banking-house of Mesers, WINSLOW, LANKER & CO., corner Nassau and Codar-sts., New-York City, on and after February 1, 1881; LAWIRENCE RAILROAD CO., First Mortgage 78.

LAURENCEBURG, IND.
Municipal 78.

LAURENCEBURG, AND Municipal 78.

Municipal 78.

MARIETTA, OHIO.

Marietta, Cinciniari Railway Aid 88.

PITISBURG, FORI WAYNE AND CHICAGO R. R. CO.
First Wortgage 78.
Feer Mortgage 78.

TERRE HAUTE, IND
Cheago and Terre Hauto R. R. Aid 78.
February 12.

CENTREVILE, IND.
Township 68.
February 25.

OALLIPOLIS, OHIO. Municipal 8s. Municipal 88.

THE THIRTY-SEVENTIL SEMI-ANNUAL CASH DIVISEND of the 11-LINOIS CANTAL GAAL-ROAD COMPANY, on disentire share capital, being THRCE AND A HALF (32) PE COE. Thereor, will be paid by the undersigned March 1, 1881, to sharehold so as registered at 2 p. m. on the 11th inst, after which and norif the 4th March, the transfer books will be cost.

L. V. F. RANDOLPS, Treasurer.

THE MONEY MARKET.

SALES AT THE STOCK EXCHANGE. JANUARY 31. 1881. THE GENERAL LIST.

		ctual	Baies		Clo	aing	Shar
Nams.	Ope's	Hig't	Low't	Final.	Bid	Ask'd	Beld
Alton & T H	1354	1354	1294	1294		1294	2,4
Bosta Air Line	200	44	7934	48	1000000		1,3
Central Pacific	753-9 91 66 86 89 173-4 251-4	25 %	23 e	904	73 % 19 90	140 541	1.6 2,3
	86	58 854	65 84	84	90 54 84 's 87	55 84 5 88% 25%	8.4
C.C. C & Ind	89	864 277	90	25%			10.6
Can Southern. C.C. C & Ind C. C & I C Ches & Ohio C & O 2d oref U & O ist pref.	254 264	254	25% 24 26%	24 % 26 % 34 %	995.	244	10,8
C B & O lat pref.	34 4 169 4	284 34% 170	31%	170 184 5	34 1694	34 % 170 135 % 150	
C, B & Q C, R I & P Chic & Al	130	170 135 150	169 134 5 150	150	26 9 34 169 4 134 5 146	150	1,5
Chic & Al Ceve & Pittag. C. St P M & O	150 4274 49 1074	1284 49 1075	150 1274 4774 103	1284	105	4776 106	2.7
Chic & N W'n	1074 430 141	180		128	128	1284	7,1
C.M & St P	11812	11812	130%	115%	140 1154 124	141 1154 126	25,8
Cin. S & Cio D .La & W n	454	49% 124	454	46	48 1214	47	18.6
Da H Canal	124 106 98 5	1065		1214 103 96	1043	1214 105 964	6,5
Hous & Texas.	4613 fee	89 % 65 %	53	69	524	100000000000000000000000000000000000000	87
Do pref Inter. & G N	55% 1074 65	1074	105%	10000	105 5	53 176 68	6.7
Illinois Cen	1337	1937	13214	132%	132	132 4	2.7
Illinois Cen Ind B. & West K'k & D M's	2310	2,312	284	2349	23	231 <sub>9</sub>	i
Do pref La & M River. L E & Western	23 51	2334 514	50	23	504	23-2	1.3 6.6
Lonis & Nash.	88 76	88 4	76	504 875 76	76	87	6,6
Lake Shore	130%	1304	129 %	385	1294	120% 30	17,6
M & Ciu ist pr Do 2d oref	124	125	117	8 9	714	13	8
Met R way	125 77 114% 121%	117		11434	1 1 / Aug	114%	7.7
M & this	47%	47%	45%	23 % 46 %	120 23 5 46 8	24	1,2 17,1
Mo, K & Tex Mor & Essex N. C & St L N J Centrai	121% 47% 122% 122% 149% 149% 149% 149% 149%	1227 764	120 4 233 4 45 4 122 7 73	78	73	734	5,8
N Y C& H	1495	93 1497 <sub>6</sub>	1484	92	148	145	19.8
N Y C& H N Y Elevated. N Y, L E & W	49%	49 4	147 4	485 994	1265	128 48% 90	25,2 1,6
	36 4 66 %	374	36	36	36	364 65%	5.8 5.8 97.2 7.4 1.0
NYO&W	314	87 43 314	65 to 41 50	41%	0549 4149 294	4134	97,2
Ohio Central Or R & Nav Ohio & Miss	164	164	150 34	160	1604	164	1.0
Do pief	103 %	104 12	1034	104 %	103	228	5,4
P. T & Buf Phil & Read	40%	40% 65	401g	634	63	635	1,6
P. Dec & B.v . Renn & Sara	62% 37% 132	65 374 182	136	132	85%	36	1,5
Rome, W & Og.	714	713	38 71%	71%	37	88	1
St I. & N F	**	**	**	::	46 67 % 97	47	
St L& SPISTO.	97 61%	97 61%	97 55 4	354	05.9	584	6,6
TEX OF PACIFICAL	121 4	123	49 %	120	120	1204	6,6 14.1 15,2 14,0
Wab St L & P	419-4	90	477	2024	474	885	14,00
Am Umon	894 824	894	844 824	883	821a 821a	821 <sub>2</sub> 611 <sub>4</sub> 474	1.6
A Dist Fer	62	48	48	48	47	474	10
Adams Ex	110 kg 128 71	128	1154 128 70½	128	128	130	33,3
USEL	61	128 71 61	60	60	70 59		2
W F Ex	534	54	52%	52%	5242 45	120 524 40	7.6
Pacine Mail	1772.4	46%	414 27 29 4	46 27 204	28	oni.	1
Cal Carl & Lean	45%	27			40	-	-
Col Coal & Iron Maryland Coal New C. Coal Caribou Min	45% 27 20%	294	1000		14	5	1
Col Coal & Iron Maryland Coal New C. Coal Carlbou Min	45% 27 29% 4%	294 44	100	44	14	13	1
Col Coal & Iron Maryland Coal New C. Coal Carlbou Min Central Min Deadwood M'g. Excelsion Min Homestake M.C.	45% 27 20% 4%	294 294	10	₹44 ::	12 6'9 27 3'9	13 7 28 4	70
Col Coal & From Maryland Coal New C. Coal Carrbou Min Central Miu Deadwood M'g. Excelsion Min Homestake MC Lattle Pitt'g M Ont Min Co	45% 27 29% 4%	264	1000	494    	12 65 27 335	344	71
Col Coal & From Maryland Coal New C. Coal Carrbou Min Central Min Deadwood M'g Excessior Min Homestake MC Little Pittyg M Ont Min Co Silver Caff Standard M Co.	45% 27 29% 4% ::	264 44 11 44 128	10	₹44 ::	12 65 27 335	28 4 344 45 23	
Col Coal & Iron Maryland Coal New C. Coal Carlbou Min Central Min Deadwood M'g. Excessor Min Homestase M.C.	45% 27 20% 4% 	264	34	494    	12 6'9 27 3'9	4 344	71

Total sales for the day ..... -38% buyer 60 days. 189 seller 60 days.

GOVERNMENTS.

U 8 68 Reg 1881 10,000 101 8 90,000 101 8 40,000 011 4 100,000 101 4 100,000 101 4 10,500 101 8 U 8 48 Registered 10,000 113 20,000 112 5	U S 4 2 Coupon 1891 10,000
BOYDS AND I	IANK STOCKS.

## 10 o'clock to 12 o'clock.

	30,00075	0.000	350. LIB OF T. 181 COL
3	30,000 5 59	Ohio Central In	10,000 1244
1	2,000 74 9	0.000	1nd Bloom& W 2d
ı	20,000	5.000 60	1,000
ı	5,000744	10. 100	Lake Shore Cun
١	15,0007415	Day 12 to 1/ 141	Coup 1st
1	Texas Pac Inc L G	15,00061 5	10,0001304
1	5,00082	Lake E & West ID	MO PAR SE TOY
ı	5, 0082 2	0,000 79 9	22.000113
ı	5,00082%	2.000	N Y Elevated 1st
ı	30,600	N V & Yex L Serio	3,000 118
1	131,000 834	5.000 27 %	N Pac Bond Certi
١	60,000835	5,000 27 ½ 15,00028	50.000 102
d	00,000	82.00028	Ohio & Miss 1st
1	10,00083%	10,0002778	Springfield Div
1	10.00082 5	Hanover Bank	0,000
1	1,00083	Ranover bank	1.000, 115
1	Texas Pac 1st	2125	Union Pacific 1st
1	Eio Grande Div	Park Bank 100155	5,000 114
	51,000 102	N.C 6s special tax	5,000 1113
	S Y. L. E & West	2d Class	Upion Pac C Trus
	New 2d Con	14,000 85	68
	35.000 10034	3d class	5,000 1063
	20,000 100%	45,000 84	Central Pacific d i
	80,000 100%	40,000	10,000 114
	2,000100%	Virgima 6s con	Mobile & O nm't
	Mo Kan & T 2d	X matured Coup	1,000100
	45.00079%	10, 00 804	1,000
	10.000	Keekna & D M 1st	Lat Bim & Mun i
	10.000 793	500 amit 102	Peo D & Lvii in
	30,000	1,000 105	Pen Da LVII II
	40 000	NJ Cent Adjust	5,000
	10,000804	Remis 10,000113	Preferred Inc
	\$2,00080	10,000	5,00036
	25,000 80 9	Chic & Northwest	St L & Ir Mon 2d
	15,000 80 4	Comous coup G B	Preferred Inc
	100,00081	10,000 b3.1-5	1,000
	1,50081	Del & Hust Reg. 91	Frankfort & Ko Is
	10,000	2.000	1000 106
	15,00081%	Den & Rio G 1st	Tora Wab Fad In
	55,000 81 e	Con	1012 340 510 10
	Sec. 43, 114.	1,000 115	1.000 & E St L U
	Marion QUA	Mark Perstant	1.000 103

#### 12 O'CLOCK TO 21/2 O'CLOCK. Tennesse 68 new NY L E & Westen Chie & NW Con

ben & Rio G let	35,000 100 4	3,000 123
Lon	5.000 1000s	Inter & Great N
15,000 113	5.000 100%	5,000 100
2.0001125a	Ohio Cen Iu	5.000 10
Den & R G 1st	10,000 97	Lake Shore 2d C
2,000 115%	1.000 67	1947
Union Pacific 1st	5,000	20, 00 123
5,000 114	Metropolitan E 2d	Louisville & Na
Mo Kan & TC As	15,000	
2,000113	2,000	5.000 104
5,000 1124	6,000 144 12	MULTINGOTT CALL IN
to nan & T 2a	NY & T L Scalp	120.000 10:
10,0008254	4,000 2819	MLKURN
20,000 8:5	20,00028	Clarinda Bran
30,000 825	Wabash Gen'l Mtg	1.000 10
50,000, 92	10,000 100	Office Course int
40.000 514	Toicao & Wab 1st	Terminal Trust
46.000 81 4	St L Division	6,000 100
20,000 82	5,000 113 9	St L & L M 20
10,000 814	But C R & N Ist	Preferred In 11 000 8
25,00081%	2.000 100%	11 000 8
ex Pac In L G	13,000101	Ind Sigon & We
5,000 82%	Boston H & E 1st	lat
5,000 83	20.000	1,000 8
2,000 934	Eric 7s Con Gold	Canada South Is:
55.000b382	20,00	gaar
10,000 81%	Den SPR&P 1st	10 000 105
15,000 8 5	8,000, 105 a	Det & H Reg 15
10,00082	Kan Pac 1st Con	2.000 113
10,000 914	10,000 1014	Mich Central 78 45,000
Int & Gt N 2a Inc	5,000 104	45,000127
2.00094	N J Cent Ad Bds	
2,000	8,600 113 5	
	A STATE OF THE PARTY OF THE PAR	

## 212 O'CLOCK TO 3 O'CLOCK.

N C special tax 34 cuas 35 0.04 8 Mai & St Paul 88 tst 10.000 137 ½ Mai & St Paul 18t Le 114	C & T C Inc 10,000, b. 3, 74 kg Inc D & Spring 2d Income 1,000 bS Int & Gt N 2d In 7,000 91 Mo Kan & Fex 2d 15,000 81 kg 2,000 81 kg 2,000 81 kg 20,000 112 kg St L & Fren M 1st 2,000 118 kg Income M 1st 2,000 118 kg St L & Fren M 1st 2,000 118 kg For Wash Equip 5,000 50	Den & Rio G 1st 3,000 111 3,000 112 5 eri & Hudson 1st Penn Div cent 25,000 125 ben S P & Plat 6,000 105 Lat B & Mu Inc 4,000 105 Lat B & Mu Inc 4,000 105 C 0 & Wat Front 1 5,000 107 C 0 & Wat Front 1 5,000 105 C 1 st 5,000 8 Mubile & Ohio 1st 1,000 109

# OSING PRIORS OF ROSTON SET AS TO AS CLOSING PRICES OF BOSTON STONES.

CAPTAGE METERS AND ADDRESS OF THE PARTY OF T
N. Y. & N. Enz . 57
Og. & L. Cham ptd 80%
Og. &. L. Cham.com 25
Old Colony129 4
Pueb. & trk. Vai . 1924 2
Rottand preferred 29% -
Califmat & House and
Cataipa
Copper Palls 36
tremmen willed 32
Franklin 16%
MINITISOR CODY MAN OF THE
Quincy 364
Ridge
Sixt war tate 344

## CLOSING PRICES OF PHILADELPHIA STOCKS. Reported by JOHN H. DAVIS & CO., Vs. 17 Watt-et.

Bid, Ask'd United R R of N J 185 United R R of N J 185 ceus. R R	North'n Pac. pref. 454 655 North'n Cen. R B. 47 Lehigh Nav. 415, 414, 415 Pritts. Tita and Buf. 20 204 Hestonville it B. 204 204 Pmus. and Erie 214 224
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A month's effort would not enable us to add line to the description of the condition of affairs at the Stock Exchange that was printed in to-day's TRIBUNA. We said that the surface indications for I the immediate future of prices were not as favorable